

Switchguard ELP 319 end position detector

Fail-safe detection of points

The Switchguard ELP 319 end position detector detects the end position of the following components:

- points with mid-blade locking
- high-speed points
- manually operated points
- spring return points
- mechanical locking units
- movable frogs and frog wing rails

Switchguard ELP 319 satisfies the following requirements:

- · detection of open and closed point blades
- control of point opening
- control of the locking function
- indication of point trailing operations
- detection of gage narrowing

Switchguard ELP 319 interacts with all types of relay interlockings through to electronic interlockings.

Benefit

Universally applicable

Versatile and flexible

Compact and cost-effective

Robust and protected

Virtually maintenance-free



Technical data	
Slide stroke	infinitely adjustable from 30 mm to 190 mm
Pointing capacity	230 V AC, 50/60 Hz, 6 A (cos ϕ = 1) or 4 A (cos ϕ = 0.8)
Maximum pointing current	≤ 16 A
Weight	27.4 kg
Temperature range	-40 °C to +70 °C
Protection against ingress of foreign bodies and water	IP 54 in line with DIN VDE 0470, Part 1



References

- German Railways
- Egyptian National Railways
- Express Rail Link, Sdn. Bhd., Malaysia
- Finnish Rail Administration
- Queensland Rail, Australia
- Railways of the People's Republic of China
- Swiss Federal Railways
- Taiwan High Speed Railway Corporation

Siemens AG

Infrastructure & Cities Sector Mobility and Logistics Division 80200 München Germany © Siemens AG 2012

Printed in Germany PPG231 312240 PA09122.0 Dispo 01000 c4bs 1415 Order No.: A19100-V100-B927-V1-7600 The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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